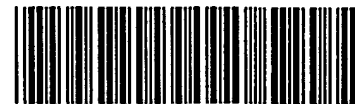*EFS*

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: _10/589,305_
Source: _1FWD_
Date Processed by STIC: _2/23/07_

ENTERED

IFWO

RAW SEQUENCE LISTING   DATE: 02/23/2007
PATENT APPLICATION: US/10/589,305   TIME: 15:04:42

        Input Set. : N:\efs\02_23_07\10589305_efs\SEQUENCE-LISTING.txt
        Output Set: N:\CRF4\02232007\J589305.raw

    3 <110> APPLICANT: ARES TRADING S.A.
    5 <120> TITLE OF INVENTION: Leucine rich repeat containing protein
    7 <130> FILE REFERENCE: P036769WO
C--> 9 <140> **CURRENT APPLICATION NUMBER: US/10/589,305**
C--> 9 <141> **CURRENT FILING DATE: 2006-08-14**
    9 <150> PRIOR APPLICATION NUMBER: GB 0403142.3
   10 <151> PRIOR FILING DATE: 2004-02-12
   12 <160> NUMBER OF SEQ ID NOS: 50
   14 <170> SOFTWARE: SeqWin99, version 1.02
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   17 <211> LENGTH: 496
   18 <212> TYPE: DNA
   19 <213> ORGANISM: Homo sapiens
   21 <400> SEQUENCE: 1
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   23 atgacaaatg catcaagaaa aagcaatatt ttattcaatt ctgaatgcca atggaatgaa   120
   24 tatattctga caaattgttc ttttaccgga aagtgtgata tacctgtgga catatcacag   180
   25 acagcagcca ctgtggatgt aagtttcaat ttctttagag ttctcttaca gtctcacacg   240
   26 aaaaagaag agtggaaaat aaaacatctg gacctcagta caatctcat atcaaaaata   300
   27 accttaagcc cttttgcata tttacatgct ttggaagtgt taaacctcag caacaatgcc   360
   28 atccactccc tctcattgga tctactcagt cctaagtcct catgggtgaa acgccacaga   420
   29 agcagcttca gaaacaggtt tccattgctg aaggtgctca ttcttcaaag aaataaactc   480
   30 agtgacactc ccaagg   496
   32 <210> SEQ ID NO: 2
   33 <211> LENGTH: 166
   34 <212> TYPE: PRT
   35 <213> ORGANISM: Homo sapiens
   37 <400> SEQUENCE: 2
   38 Met Lys Asn Leu Tyr Phe Arg Val Ile Thr Ile Val Ile Gly Leu Tyr
   39 1   5   10   15
   41 Phe Thr Gly Ile Met Thr Asn Ala Ser Arg Lys Ser Asn Ile Leu Phe
   42   20   25   30
   44 Asn Ser Glu Cys Gln Trp Asn Glu Tyr Ile Leu Thr Asn Cys Ser Phe
   45   35   40   45
   47 Thr Gly Lys Cys Asp Ile Pro Val Asp Ile Ser Gln Thr Ala Ala Thr
   48   50   55   60
   50 Val Asp Val Ser Phe Asn Phe Phe Arg Val Leu Leu Gln Ser His Thr
   51 65   70   75   80
   53 Lys Lys Glu Glu Trp Lys Ile Lys His Leu Asp Leu Ser Asn Asn Leu
   54   85   90   95
   56 Ile Ser Lys Ile Thr Leu Ser Pro Phe Ala Tyr Leu His Ala Leu Glu
   57   100   105   110
   59 Val Leu Asn Leu Ser Asn Asn Ala Ile His Ser Leu Ser Leu Asp Leu

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60          115                 120                 125
62 Leu Ser Pro Lys Ser Ser Trp Val Lys Arg His Arg Ser Ser Phe Arg
63      130                 135                 140
65 Asn Arg Phe Pro Leu Leu Lys Val Leu Ile Leu Gln Arg Asn Lys Leu
66 145                 150                 155                 160
68 Ser Asp Thr Pro Lys Gly
69                  165
71 <210> SEQ ID NO: 3
72 <211> LENGTH: 170
73 <212> TYPE: DNA
74 <213> ORGANISM: Homo sapiens
76 <400> SEQUENCE: 3
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78 tagggtggtc tgattttcac aactgcctgc aactggagaa tctctgttta aagagcaaca    120
79 agatattcaa aattccccca caagccttca aggacctcaa aaaattacag               170
81 <210> SEQ ID NO: 4
82 <211> LENGTH: 56
83 <212> TYPE: PRT
84 <213> ORGANISM: Homo sapiens
86 <400> SEQUENCE: 4
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88 1           5                   10                  15
90 Ile Leu Gln Ile Gly Trp Ser Asp Phe His Asn Cys Leu Gln Leu Glu
91          20                  25                  30
93 Asn Leu Cys Leu Lys Ser Asn Lys Ile Phe Lys Ile Pro Pro Gln Ala
94      35                  40                  45
96 Phe Lys Asp Leu Lys Lys Leu Gln
97      50                  55
99 <210> SEQ ID NO: 5
100 <211> LENGTH: 190
101 <212> TYPE: DNA
102 <213> ORGANISM: Homo sapiens
104 <400> SEQUENCE: 5
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106 gaatttcccc atctagtggt tgacttggct gataataact ggcagtgtga tgatagtgtg    120
107 gcagtctttc aaaattttat ttctgaatcc tggaggaaaa agtggaatgt catttgcaac    180
108 aggtctatag                                                          190
110 <210> SEQ ID NO: 6
111 <211> LENGTH: 64
112 <212> TYPE: PRT
113 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 6
116 Val Ile Asp Leu Ser Asn Asn Ala Leu Ile Thr Ile Leu Pro Met Met
117 1           5                   10                  15
119 Ile Ile Ala Leu Glu Phe Pro His Leu Val Val Asp Leu Ala Asp Asn
120          20                  25                  30
122 Asn Trp Gln Cys Asp Asp Ser Val Ala Val Phe Gln Asn Phe Ile Ser
123          35                  40                  45
125 Glu Ser Trp Arg Lys Lys Trp Asn Val Ile Cys Asn Arg Ser Ile Gly
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130 <211> LENGTH: 1754
131 <212> TYPE: DNA
132 <213> ORGANISM: Homo sapiens
134 <400> SEQUENCE: 7
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136 ctcccattca tctgcatcgc atgaaaagcc tcataaggag caaagcagag aggccccagg    120
137 gaggaaggca cacgggcatt tctactctgg ggaagaaggc aaaggccggc tctggtctca    180
138 ggaagaagca gagacggctg ccaaggagtg ttagaagcac ccgcgatgtg caggctgccg    240
139 gcaaaaaaga ggacgctccc caggacctgg ctctggcggt gtgcctgtca gtgttcatca    300
140 cattccttgt cgccttcagc ctgggggctt tcacaaggcc ttatgttgac agactgtggc    360
141 aaaaaaagtg ccagagcaaa agccctggcc tggacaacgc gtattcaaac gagggcttct    420
142 acgatgacat ggaagctgcg gggcacacac cacacccaga gacccatctg cgccaagtat    480
143 ttcctcatct aagcctctac gagaaccaga cccctttctg ggtgacacag ccacacccac    540
144 acgccaccgt aattcctgat agaactctgg gaaggagcag aaaggatcct ggcagttcgc    600
145 agagcccagg acagtgcggg gacaacaccg gggcaggaag tggaaatgat ggtgcagtct    660
146 attccattct ccagagacat ccacatgccg gtaaccgtga actaatgtca gcagcgcagg    720
147 accacatcca taggaatgat attctcggag aatggactta tgaaactgtg gcccaggaag    780
148 agcctctcag tgcacattca gtgggcgtct cttctgtagc tggcacgtct cacgctgtct    840
149 ctggctcaag ccgttatgat tccaatgaat tagacccttc cctctccgga gaaataacag    900
150 cttccctctg taaaatgcta acacatgcag aagcacagag gactggagat agtaaggaaa    960
151 gagggggcac tgaacagtca ctttgggact cgcagatgga attttctaag gaaaggcaag   1020
152 tgagttcatc cattgatttg ctgagcatac agcagccaag gctgtccggg gcaagggctg   1080
153 aggaagcgct ttcagcccac tacagcgagg ttccatacgg tgacccaaga gacacaggcc   1140
154 catcagtctt tcctccaaga tgggacagtg gcctggatgt cactcctgct aacaaggaac   1200
155 cagtgcagaa atccactcct tctgacactt gctgtgagtt ggagagtgac tgtgactctg   1260
156 atgaggggtc tctgttcact ctgagctcca taagttcaga gagtgcaagg agcaagactg   1320
157 aagaggcagt gcctgatgag gagtccctgc aggacgagag ctcaggggca agcaaggaca   1380
158 atgtgacggc tgtagacagt cttgaggaaa atgttacctt ccaaacaatt ccagggaaat   1440
159 gcaagaatca agaagatccc tttgaaaaac ctctcatttc tgctccagac tctggcatgt   1500
160 acaagactca tctggaaaat gcctctgaca ctgatagatc tgagggcctg tcaccctggc   1560
161 ccaggtcacc agggaatagt cccttagggg atgagtttcc gggcatgttc acttatgatt   1620
162 atgacacagc tcttcaatcc aaggcagcag aatggcattg ctcacttaga gacttagaat   1680
163 tttcaaatgt ggacgtttta cagcaaacac caccatgttc tgctgaagtt ccctcagatc   1740
164 ctgataaggc tgcc                                                    1754
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167 <211> LENGTH: 584
168 <212> TYPE: PRT
169 <213> ORGANISM: Homo sapiens
171 <400> SEQUENCE: 8
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175 Thr Arg Leu Pro Pro Ile His Leu His Arg Met Lys Ser Leu Ile Arg
176             20                  25                  30
178 Ser Lys Ala Glu Arg Pro Gln Gly Gly Arg His Thr Gly Ile Ser Thr
179         35                  40                  45
181 Leu Gly Lys Lys Ala Lys Ala Gly Ser Gly Leu Arg Lys Lys Gln Arg
182     50                  55                  60
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RAW SEQUENCE LISTING   DATE: 02/23/2007
PATENT APPLICATION: US/10/589,305   TIME: 15:04:42

Input Set : N:\efs\02_23_07\10589305_efs\SEQUENCE-LISTING.txt
Output Set: N:\CRF4\02232007\J589305.raw

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184 Arg Leu Pro Arg Ser Val Arg Ser Thr Arg Asp Val Gln Ala Ala Gly
185 65                  70                  75                  80
187 Lys Lys Glu Asp Ala Pro Gln Asp Leu Ala Leu Ala Val Cys Leu Ser
188                 85                  90                  95
190 Val Phe Ile Thr Phe Leu Val Ala Phe Ser Leu Gly Ala Phe Thr Arg
191                 100                 105                 110
193 Pro Tyr Val Asp Arg Leu Trp Gln Lys Lys Cys Gln Ser Lys Ser Pro
194             115                 120                 125
196 Gly Leu Asp Asn Ala Tyr Ser Asn Glu Gly Phe Tyr Asp Asp Met Glu
197         130                 135                 140
199 Ala Ala Gly His Thr Pro His Pro Glu Thr His Leu Arg Gln Val Phe
200 145                 150                 155                 160
202 Pro His Leu Ser Leu Tyr Glu Asn Gln Thr Pro Phe Trp Val Thr Gln
203                 165                 170                 175
205 Pro His Pro His Ala Thr Val Ile Pro Asp Arg Thr Leu Gly Arg Ser
206             180                 185                 190
208 Arg Lys Asp Pro Gly Ser Ser Gln Ser Pro Gly Gln Cys Gly Asp Asn
209             195                 200                 205
211 Thr Gly Ala Gly Ser Gly Asn Asp Gly Ala Val Tyr Ser Ile Leu Gln
212     210                 215                 220
214 Arg His Pro His Ala Gly Asn Arg Glu Leu Met Ser Ala Ala Gln Asp
215 225                 230                 235                 240
217 His Ile His Arg Asn Asp Ile Leu Gly Glu Trp Thr Tyr Glu Thr Val
218             245                 250                 255
220 Ala Gln Glu Glu Pro Leu Ser Ala His Ser Val Gly Val Ser Ser Val
221             260                 265                 270
223 Ala Gly Thr Ser His Ala Val Ser Gly Ser Ser Arg Tyr Asp Ser Asn
224     275                 280                 285
226 Glu Leu Asp Pro Ser Leu Ser Gly Glu Ile Thr Ala Ser Leu Cys Lys
227     290                 295                 300
229 Met Leu Thr His Ala Glu Ala Gln Arg Thr Gly Asp Ser Lys Glu Arg
230 305                 310                 315                 320
232 Gly Gly Thr Glu Gln Ser Leu Trp Asp Ser Gln Met Glu Phe Ser Lys
233             325                 330                 335
235 Glu Arg Gln Val Ser Ser Ser Ile Asp Leu Leu Ser Ile Gln Gln Pro
236             340                 345                 350
238 Arg Leu Ser Gly Ala Arg Ala Glu Glu Ala Leu Ser Ala His Tyr Ser
239     355                 360                 365
241 Glu Val Pro Tyr Gly Asp Pro Arg Asp Thr Gly Pro Ser Val Phe Pro
242     370                 375                 380
244 Pro Arg Trp Asp Ser Gly Leu Asp Val Thr Pro Ala Asn Lys Glu Pro
245 385                 390                 395                 400
247 Val Gln Lys Ser Thr Pro Ser Asp Thr Cys Cys Glu Leu Glu Ser Asp
248             405                 410                 415
250 Cys Asp Ser Asp Glu Gly Ser Leu Phe Thr Leu Ser Ser Ile Ser Ser
251             420                 425                 430
253 Glu Ser Ala Arg Ser Lys Thr Glu Glu Ala Val Pro Asp Glu Glu Ser
254     435                 440                 445
256 Leu Gln Asp Glu Ser Ser Gly Ala Ser Lys Asp Asn Val Thr Ala Val
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RAW SEQUENCE LISTING   DATE: 02/23/2007
PATENT APPLICATION: US/10/589,305   TIME: 15:04:42

Input Set : N:\efs\02_23_07\10589305_efs\SEQUENCE-LISTING.txt
Output Set: N:\CRF4\02232007\J589305.raw

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259 Asp Ser Leu Glu Glu Asn Val Thr Phe Gln Thr Ile Pro Gly Lys Cys
260 465                    470                    475                    480
262 Lys Asn Gln Glu Asp Pro Phe Glu Lys Pro Leu Ile Ser Ala Pro Asp
263                    485                    490                    495
265 Ser Gly Met Tyr Lys Thr His Leu Glu Asn Ala Ser Asp Thr Asp Arg
266                    500                    505                    510
268 Ser Glu Gly Leu Ser Pro Trp Pro Arg Ser Pro Gly Asn Ser Pro Leu
269         515                    520                    525
271 Gly Asp Glu Phe Pro Gly Met Phe Thr Tyr Asp Tyr Asp Thr Ala Leu
272     530                    535                    540
274 Gln Ser Lys Ala Ala Glu Trp His Cys Ser Leu Arg Asp Leu Glu Phe
275 545                    550                    555                    560
277 Ser Asn Val Asp Val Leu Gln Gln Thr Pro Pro Cys Ser Ala Glu Val
278                    565                    570                    575
280 Pro Ser Asp Pro Asp Lys Ala Ala   .
281             580
283 <210> SEQ ID NO: 9
284 <211> LENGTH: 2610
285 <212> TYPE: DNA
286 <213> ORGANISM: Homo sapiens
288 <400> SEQUENCE: 9
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291 tatattctga caaattgttc ttttaccgga aagtgtgata tacctgtgga catatcacag     180
292 acagcagcca ctgtggatgt aagtttcaat ttctttagag ttctcttaca gtctcacacg     240
293 aaaaaagaag agtggaaaat aaaacatctg gacctcagta acaatctcat atcaaaaata     300
294 accttaagcc cttttgcata tttacatgct ttggaagtgt taaacctcag caacaatgcc     360
295 atccactccc tctcattgga tctactcagt cctaagtcct catgggtgaa acgccacaga     420
296 agcagcttca gaaacaggtt tccattgctg aaggtgctca ttcttcaaag aaataaactc     480
297 agtgacactc ccaagggact gtggaaactg aagtcattgc agagtttgga tctgtcattc     540
298 aatgggatat tgcaaatagg gtggtctgat tttcacaact gcctgcaact ggagaatctc     600
299 tgtttaaaga gcaacaagat attcaaaatt cccccacaag ccttcaagga cctcaaaaaa     660
300 ttacaggtca tagaccttag caacaatgct ctgattacca tcctaccaat gatgatcata     720
301 gctctagaat ttccccatct agtggttgac ttggctgata taactggca gtgtgatgat     780
302 agtgtggcag tctttcaaaa ttttatttct gaatcctgga ggaaaaagtg gaatgtcatt     840
303 tgcaacaggt ctatagggag tgaggaggcc aacggggca ctccccagag caggatttcc     900
304 agggaaaccc gccttcctcc cattcatctg catcgcatga aaagcctcat aaggagcaaa     960
305 gcagagaggc cccagggagg aaggcacacg ggcatttcta ctctggggaa gaaggcaaag    1020
306 gccggctctg gtctcaggaa gaagcagaga cggctgccaa ggagtgttag aagcacccgc    1080
307 gatgtgcagg ctgccggcaa aaaagaggac gctccccagg acctggctct ggcggtgtgc    1140
308 ctgtcagtgt tcatcacatt ccttgtcgcc ttcagcctgg gggctttcac aaggccttat    1200
309 gttgacagac tgtggcaaaa aaagtgccag agcaaaagcc ctggcctgga caacgcgtat    1260
310 tcaaacgagg gcttctacga tgacatggaa gctgcggggc acacaccaca cccagagacc    1320
311 catctgcgcc aagtatttcc tcatctaagc ctctacgaga ccagaccccc tttctgggtg    1380
312 acacagccac acccacacgc caccgtaatt cctgatagaa ctctgggaag gagcagaaag    1440
313 gatcctggca gttcgcagag cccaggacag tgcggggaca acaccggggc aggaagtgga    1500
314 aatgatggtg cagtctattc cattctccag agacatccac atgccggtaa ccgtgaacta    1560
315 atgtcagcag cgcaggacca catccatagg aatgatattc tcggagaatg gacttatgaa    1620
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VERIFICATION SUMMARY   DATE: 02/23/2007
PATENT APPLICATION: US/10/589,305   TIME: 15:04:43

Input Set : **N:\efs\02_23_07\10589305_efs\SEQUENCE-LISTING.txt**
Output Set: **N:\CRF4\02232007\J589305.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date